

# Carleton

## UNIVERSITY

138<sup>th</sup> CONVOCATION

Tuesday, June 7

# 2011

Ottawa, Ontario, Canada



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2011 SPRING CONVOCATION

Convocation at Carleton

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Morning Ceremony – Tuesday, June 7, 9:30 a.m.

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Doctor of Philosophy from the Faculty of Science; Master of Computer Science; Master of Science; Bachelor of Computer Science (Honours); Bachelor of Computer Science (Major); Bachelor of Computer Science; Bachelor of Mathematics (Honours); Bachelor of Mathematics; Bachelor of Science (Honours); Bachelor of Science (Major); Bachelor of Science



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Doctor of Philosophy from the Faculty of Public Affairs; Master of Arts; Master of Social Work; Bachelor of Arts (Honours); Bachelor of Arts; Bachelor of Social Work

## O CANADA

O Canada! Our home and native land!  
True patriot love in all thy sons command.  
With glowing hearts we see thee rise,  
The True North strong and free!  
From far and wide, O Canada,  
We stand on guard for thee.  
God keep our land glorious and free!  
O Canada, we stand on guard for thee.  
O Canada, we stand on guard for thee.

O Canada! Terre de nos aïeux,  
Ton front est ceint de fleurons glorieux!  
Car ton bras sait porter l'épée,  
Il sait porter la croix!  
Ton histoire est une épopée  
Des plus brillants exploits.  
Et ta valeur, de foi trempée,  
Protégera nos foyers et nos droits.  
Protégera nos foyers et nos droits.

## HISTORY

Carleton University is unique within the Ontario university system for several reasons. It was founded in 1942, not by state or church, but through a community movement initiated by the YMCA to provide non-sectarian education for the thousands of men and women who came to Ottawa in support of the war effort. Because of these roots, Carleton has, throughout its history, attempted to meet the needs of the community by making its programs and resources widely available through innovative technologies and lifelong learning opportunities.

Today, Carleton stands among the best comprehensive universities in Canada. It is a dynamic, research-intensive university, committed to providing an outstanding learning experience for its more than 24,000 students. The University offers more than 100 majors, specializations and concentrations in areas as diverse as public affairs, journalism, art and culture, engineering, high technology, and international studies. Today's Convocation ceremony (the calling together of the academic assembly) has its roots in university traditions of medieval Europe.

## COAT OF ARMS



The coat of arms was presented to the University by His Excellency The Right Honourable Ramon John Hnatyshyn, Governor General of Canada, on November 15, 1992, as part of Carleton's 50th anniversary celebrations. It is described in heraldic terms as follows: Sable a maple leaf Gules irradiated and charged with an open book Argent; And for

a Crest: On a wreath Argent Sable and Gules a Phoenix Gules quilled and beaked Or issuing from flames proper; And for a Motto: Ours the Task Eternal; And for Supporters: on a grassy mount on either side a raven Sable beaked and membered or armed Gules.

The open book on the maple leaf signifies that Carleton University is in the nation's capital and that

learning is open to all who wish to partake of it. The phoenix, the legendary eternal bird, symbolizes the renewing of learning from older foundations, in recognition of Henry Marshall Tory's role in the founding of the University when he was 78 years old. Ours the Task Eternal is taken from a Walt Whitman poem entitled *Pioneers* and ties in with the eternal quality of the phoenix.

The Carleton University coat of arms therefore symbolizes sound learning, good citizenship, and the highest hopes of humanity.

## THE MACE



The mace is a staff symbolizing authority. In the days of knighthood, it was a weapon, but after the 16th century, it became solely a symbol of authority carried by a distinguished member of an assembly. It is used on ceremonial occasions to signify the right of an individual or institution to perform a certain function — in the case of universities, to grant degrees.

At Convocation, the mace is carried ahead of the Chancellor as he enters and leaves each ceremony. During the ceremony, the mace is displayed as an embodiment of the authority of the University.

Carleton's mace was presented to the University in 1976 as a gift from the Chair of the Board of Governors at that time, Mr. Hyman Soloway. It is a silver-plated staff about one metre long. At the upper end there is a bowl marked with the University's coat of arms and the University motto in Latin and English — *Opera Nobis Aeterna* and *Ours the Task Eternal*. From the upper portion of the bowl rises a phoenix. Traditional oak leaves surround the lower end of the staff.

## THE DIPLOMA

The diploma the graduates receive at Convocation is the certificate of qualification which publishes the fact that the student has fulfilled all the requirements and completed the prescribed

course of study for the degree. As the senior academic legislative body of the University, it is the Senate which has determined whether the requirements have been met. The signatures of the Chancellor and the President of the University appear on the diploma: the Chancellor because of his role in conferring the degree, and the President who, as Chair of Senate, certifies that Senate has enacted the required motion to award the degree. The Seal of the University is affixed to the diploma as a mark of authentication.

## ACADEMIC DRESS

The academic dress of Carleton University results from a compromise between that found in the ancient foundations of Britain and Canada and the American Intercollegiate Code. All three hoods — bachelor's, master's, and doctor's — are of the simple or Oxford shape. The bachelor's hood is made of black stuff. The master's and doctor's are made of black silk. All are lined with silver silk, with two chevrons, one of red and one of black. From bachelor's to doctor's, the hoods are progressively longer and opened to show more of the lining.

The velvet border of the hoods denotes the degrees granted according to the following colour combinations. In some cases a distinguishing cord is sewn slightly in from the lower border: applied science is orange with a black cord; architecture is cerise; architectural studies is cerise with a black cord; arts is white; cognitive science is sky blue with a gold cord; commerce is camel brown; computer science is royal blue; engineering is orange; humanities is white with a red cord; industrial design is dark cardinal; information technology is maize including a green chevron to denote the joint degree and applied diploma from Carleton University and Algonquin College respectively; international business is camel brown with a red cord; journalism is white with a black cord; management studies and business administration are camel brown with a black cord; mathematics is hunter green; music is venetian pink; public administration is peacock blue; public affairs and policy management is teal with a gold cord; science is golden yellow; social work is cream; and doctor of philosophy is purple.

The master's and bachelor's gowns, to be worn with the above hoods, are of full length, made of black stuff, with a gathered yoke behind, and long open-fronted sleeves. The doctoral gown is of full-style, made of fine royal blue cloth with facings of light blue silk, with a full gathered yoke behind, and closed sleeves with an opening at the elbows.

The two shades of blue in the doctoral gown are those of the United Nations, and recognize the University's long-standing interest, from its earliest years, in international affairs and issues. The colours were chosen when the University awarded its first honorary degree in 1954 to the second secretary general of the United Nations, Dag Hammarskjöld. The tradition of awarding honorary degrees to secretaries general of the United Nations has continued since that time.

The gown of the honorary Doctor of Laws, Literature, Music, Science, Engineering, Architecture or Fine Arts is a full robe with bell-shaped sleeves. It is made of fine royal blue cloth with facings and sleeves in light blue silk. The hood is made of the same material as the gown, has the same lining as that for the degrees granted by examination, and is bordered with dark mauve for the degree of Doctor of Laws; vibrant blue for the degree of Doctor of Literature; venetian pink for the degree of Doctor of Music; red for the degree of Doctor of Science; orange for the degree of Doctor of Engineering; cerise for the degree of Doctor of Architecture; and dark cardinal for the degree of Doctor of Fine Arts.

## ALUMNI HALL

The Alumni Hall and Sports Centre opened in 2005, and serves more than 750,000 visitors every year. The new centre has tripled the usage for athletic and other activities and has doubled the size of the cardio facilities at the University. The Alumni Hall and Sports Centre, which also houses the Ravens' Nest, the home of men's and women's varsity basketball teams, welcomes graduands and their families twice a year during Spring and Fall Convocation ceremonies. The Carleton University Alumni Association donated \$2.5 million towards the construction of this exceptional facility.

## OFFICIATING OFFICERS

### Chancellor of the University



#### **The Right Honourable Herb Gray, P.C., C.C., Q.C.**

The Right Honourable Herb Gray was named the 10th Chancellor of Carleton University in November 2008. Mr. Gray retired from Parliament in 2002 and was the longest continuously-serving Member of Parliament in Canadian history. He was awarded the title Right Honourable in recognition of his distinguished contributions to Canadian political life. A Companion of the Order of Canada and a former deputy prime minister, Mr. Gray served in the cabinets of Pierre Trudeau, John Turner and Jean Chrétien.

From 2002 to 2010, he was the Canadian Chair of the International Joint Commission, the autonomous international organization created by the Boundary Waters Treaty between Canada and the United States.

### The President and Vice-Chancellor



#### **Roseann O'Reilly Runte, C.M., B.A., M.A., Ph.D.**

Dr. Roseann O'Reilly Runte was named President and Vice-Chancellor of Carleton University on July 1, 2008.

A creative writer and the author of numerous scholarly works in the fields of French and comparative literature, she is a Member of the Order of Canada, the French Order of Merit, the Royal Society of Canada, and the European Academy of Sciences and Arts.

### Chair of the Board of Governors



#### **Gisèle Samson-Verreault, B.A.**

Gisèle Samson-Verreault is the Chair of the Board of Governors and is, *ex officio*, a member of all committees. Prior to retirement, Mme. Samson-Verreault was the Assistant Deputy Minister, Human Resources, Department of Foreign Affairs and International Trade. She was re-elected to the Board for a one-year term, ending on June 30, 2011.

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The Presiding Officer of Convocation is the Chancellor of the University, The Right Honourable Herb Gray, P.C., C.C., Q.C.

Accompanying him on the podium for today's ceremonies are Roseann O'Reilly Runte, C.M., B.A., M.A., Ph.D., President and Vice-Chancellor, Gisèle Samson-Verreault, B.A., Chair of the Board of Governors and Goldy Hyder, B.A., M.A., Member of the Board of Governors.



## ASSISTING THE CHANCELLOR

### **Marshal of Convocation and Clerk of Senate**

Brian Mortimer, *B.Sc., M.Sc., Ph.D.*  
Associate Professor, Mathematics and Statistics

### **Associate Marshals of Convocation**

Anne Bowker, *B.A., M.A., Ph.D.*  
Associate Professor, Psychology

Chris Brown, *B.A., M.A., Ph.D.*  
Associate Professor, Law

Robert Burk, *B.Sc., M.Sc., Ph.D.*  
Associate Professor, Chemistry

Joanna Pozzulo, *B.A., M.A., Ph.D.*  
Associate Professor, Criminology and Criminal  
Justice

Donald Russell, *B.Eng., M.S., Ph.D., P.Eng.*  
Professor, Engineering (Mechanical and Aerospace)

### **Beadles of Convocation**

Martha Attridge Bufton, *B.B.A.*  
Carleton University Library

Donald L. Bailey, *B.Eng., M.Eng.*  
Instructor, Systems and Computer Engineering

John Blenkinsop, *B.Sc., M.Sc., Ph.D.*  
Associate Professor, Earth Sciences

Ryan Flannagan, *B.A., M.A.*  
Student Affairs

Roy Hanes, *B.A., B.S.W., Ph.D.*  
Associate Professor, Social Work

MaryAnne Pomainville  
Educational Development Centre

Tara Ogaick, *B.A., M.A.*  
Office of the Provost

Robert Smith, *B.A.*  
Carleton University Library

Petra Watzlawik-Li, *M.A.*  
Centre for Initiatives in Education

Pam Williamson, *B.A.*  
Carleton University Library

### **Also assisting at Convocation:**

Department of University Communications  
Office of the President  
Registrar's Office, Faculty of Graduate and  
Postdoctoral Affairs  
Senate Office  
University Registrarial Services

We would also like to acknowledge the following  
on-campus departments and ancillary operations  
for their valuable contribution to the success of the  
Spring 2011 Convocation:

Alumni Services  
Aramark  
Carleton University Bookstore  
Carleton University Emergency Response Team  
Department of Recreation and Athletics  
Facilities Management and Planning  
Graphic Services  
Instructional Media Services  
Musicians: Alex Moxon and Jazz/Fusion Quartet,  
Trio Alla Grande (Julien Bissailon, Remi Barette and  
Bruno Roussel).  
Parking Services  
University Archives  
University Safety



## UNIVERSITY AWARDS

### Founders Award



Carleton University's highest non-academic honour recognizes and pays tribute to those individuals who have made significant contributions to the advancement of Carleton University through their dedication, generosity and commitment to the values of the university.

**Richard Van Loon, B.Sc., M.A., Ph.D., LL.D.**

Richard Van Loon was the 10th president of Carleton University and the first Carleton graduate to serve in that office. Dr. Van Loon oversaw a time of transformation, refocusing Carleton on its core academic strengths, restoring its financial health and renewing campus in preparation for Ontario's double cohort. His connection has only strengthened since retirement; he is a generous financial supporter, teacher, lecturer and a proud ambassador for his alma mater.

### Henry Marshall Tory Award



Presented annually to a graduating Carleton University student who has shown a high degree of academic achievement and has indicated an interest in the university by broad participation in extra-curricular affairs of a constructive nature pertaining to the university, the Carleton University Students' Association and the Carleton community.

**Martha Chertkow**

A student of the Bachelor of Public Affairs and Policy Management program, Martha Chertkow has shown leadership in the Carleton community in areas related to her academic program and has taken on a wide range of leadership positions in student life organizations and activities. These leadership opportunities have been the areas of academics, athletics, culture, and social and international development. Her academic achievements have been exceptional and have been complemented by her ongoing role as a research assistant. In her third year, Martha obtained a prestigious internship with a UN agency in Geneva. She has won or been nominated for many awards, and was a finalist for the Rhodes Scholarship. Martha has had Dean's List status for her entire academic career.

## MEDALLISTS IN THE GRADUATING CLASS

### GOVERNOR GENERAL'S MEDAL

Awarded annually to a student standing at the head of the graduating class at the graduate level

*Donor: His Excellency the Governor General of Canada*

Anna Eyler

Sherwin Habibi

### CHANCELLOR'S MEDAL

Awarded annually in the name of the Chancellor of the University to a graduating student of outstanding academic achievement

Logan John Nealis

### PRESIDENT'S MEDAL

Awarded annually in the name of the President of the University to the student with the highest standing in a general degree program of studies

DanQiu McCarthy

### UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK—Doctoral Level

Awarded, when merited, for outstanding graduate work at the doctoral level

Stephen J. Rifkin

### UNIVERSITY MEDAL FOR OUTSTANDING GRADUATE

WORK—Master's Level

Awarded, when merited, for outstanding graduate work at the master's level

Dominique J. Roy

### UNIVERSITY MEDAL

Awarded annually, when merited, to the graduating students standing highest in architectural studies, arts, commerce, computer science, engineering, humanities, industrial design, information technology, interfaculty studies, international business, journalism, mathematics, music, public affairs and policy management, science, and social work

Architectural Studies

Lauren Stoymenoff

Arts

Anik Jacqueline Laferriere

Stephanie Pineau

Commerce

Nancy Blaine

Computer Science

Qiuliang Tang

Engineering

Marina Gobrial

Humanities

Kirsten Jean Schut

Industrial Design

William Wai-Leung Lau

Information Technology

Stephanie Whitwill

Interfaculty Studies

Erin Patricia Westby

International Business

Jessica-Ann Buchta

Journalism

Allison Michelle Render

Mathematics

Adedamola Eniola Oridate

Music

Jessica Duerksen

Public Affairs and Policy Management

Martha Rebecca Aldis Chertkow

Science

Andrew Scullion

Social Work

Gary Glover

### SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT — Graduate

Awarded, when merited, to graduating students of outstanding academic achievement

Doctoral Level

Pietro Natale Alessandro Chyurlia

John Francis Paul De Grosbois

Pratik Lodha

Rachelle Rebecca Thibodeau

Master's Level  
Adam Bell  
John Haggerty  
Meredith Alexandra Levine  
Erin Macnab  
Andrew Schoenrock

## SENATE MEDALS FOR OUTSTANDING ACADEMIC

ACHIEVEMENT — Undergraduate  
Awarded, when merited, to graduating students  
of outstanding academic achievement

Tanya Emily Ahken  
Simardeep Ahuja  
Leslie-Anne Alba  
Kareem Aly  
Paul Frederick Bright Anderson  
Ecaterina Basarim  
Mehmet Vefa Bicakci  
Eric Steven Billingsley  
Aaron Brook  
Dylan Gregory Algar Brown  
Robin Shelley Brown  
Emily Brown  
Julie Lepage Cameron  
Justin Andrew Campbell  
Rachel Louise Comba  
Richard Craig Corbett  
Alexander Alton Ettore Craig  
Kelly Blaine Craig  
Fanni Csaba  
Katherine Cullen  
Erin Cummings  
Alessandro D'Angelo  
Jessica Marie Danforth  
Evan Alexander Decatanzaro  
Fatma Zeynep Demirtas  
Andrew Deruyter  
Alicia Desrosiers  
Daniel Alexander Digiovanni  
Danielle Dionne  
Danielle Doan  
Eric Herman Duivesteyn  
Molly Egerdie  
Giulianna Ferri  
Alexander Fitzsimmons  
Tegan Nicole Ford  
Melissa Fortune  
Amanda Foster  
Agathon Randal Fric  
Solomon Fung  
Pascale Gagnon-Arpin  
Rachael Gardner  
Katherine Gauthier  
Christopher T. A. Gillen  
Alyssa Gladish  
Megan Elizabeth Graham  
Zsuzsanna Grandpierre  
Allyson Siobhan Green  
Miranda Greer  
Kathleen Anne Hammond  
Brandy Linette Harrison  
Naim Muhammad Hassin  
Charlotte M. Hayman  
Robyn Henderson  
Melody Jackson  
Tara Cami Jamieson  
John Samuel Kabanda  
Carl Karamaoun  
Golnaz Karimi  
Jocelyn Kartes  
Amanjot Kaur  
Patrick James Kirby  
Samantha Fern Kornfeld  
Ivan Petrov Krotnev  
Gabrielle L. Lacroix  
Brittany Anne Lattanzio

Michael James Léveillé  
Samuel Levine  
Yuan Li  
Taryn Lloyd  
Renee-Manuella Lopez Richer  
Bryan Edward Dinh Luu  
Louise Lyman  
Amanda Lynch  
Susan MacPherson  
Yulia Maistrovski  
May Ghassan Makia  
Waleed Amjed Malik  
Brittany Mayhew  
Kathleen McClean  
Beth McSherry  
Jennifer Meisner  
Morgan Alycia Meloche  
Andrew Philip Mikhail  
Christopher Ryan Mitts  
Andre William Morrill  
Usman Munawar  
Maryam Nemati  
William Nhan  
Lyndsey Nicholson  
Amen Obasohan  
Jonathan Pach  
Amanda Joy Pappin  
Rajkumar Parameswaran  
Jimin Park  
Nora Parker  
Jessica Krystin Pelow

Joelle T. Perreault  
Cathrine Pettersen  
Jonathan Plumpton  
Jacob Plunkett-Latimer  
Sebastian Podlesny  
Christopher LaRose Polowick  
Zhaoyi Qin  
Mackenzie Dylan Radburn  
Philip Radok  
Allison Rasquinha  
Danielle Catherine Reiter  
Beth Arlene Richardson  
Jessica Sanderson  
Chelsea Ann Sauv e  
Andrew Savage  
Sonia Sengsavang  
Deepesh Pratap Shah  
Emma C. Slaney Gose  
Anna Maria Smetny-Sowa  
William Joel Spark  
Jeffrey Teutsch  
Kaushik Thirukonda  
Kayla Melody Tishcoff  
Rebecca Lynn Warmington  
Robert J. Watkins  
Emma Jean Wells  
Nadrina Anne Whatley  
Ross James Williamson  
Jonathan Clifford Wingrove  
Tongning Wu  
Hannah Katalin S. Wyile  
Qi Zhou

## MORNING CEREMONY

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Tuesday, June 7, 9:30 a.m.

*Degrees conferred at Spring Convocation are awarded by Senate in February and in June.  
Degrees awarded in February are denoted by an asterisk (\*)*

## HONORARY DEGREE RECIPIENT

David McCurdy Baird, O.C., Ph.D., LL.D., D.Sc., F.R.S.C.



David McCurdy Baird will be awarded the degree of Doctor of Science, *honoris causa*, at the 9:30 a.m. ceremony on Tuesday, June 7, "in recognition of outstanding contributions to science education in Canada through teaching, writing and creating museums."

David McCurdy Baird studied at University of New Brunswick (UNB), the University of Rochester and McGill. He has taught geology at Mount Allison and UNB and headed the geography departments at Memorial University and at the University of Ottawa.

He created the National Museum of Science and Technology in Ottawa, and was director for 14 years. He then created the world-class Royal Tyrell Museum of Palaeontology in Drumheller, Alberta. He later became founding director of the Rideau Canal Museum in Smiths Falls and consultant to the new Johnson Geo Centre in St. John's, Nfld.

His work includes many publications in the natural sciences and international museum press, public lectures, presentations to parliamentary committees and TV and radio productions. His books include volumes on the geology of several national parks and of the National Capital Region as well as *Lighthouses of Atlantic Canada* and *Northern Lights*.

He has been honoured as a Fellow of the Royal Society of Canada, and has received medals from the Royal Society, the Royal Canadian Geographical Society, Parks Canada, honorary doctorates from Memorial University, UNB and the University of Calgary. In 1986, he was named an Officer of the Order of Canada.

The Honourable Monique Bégin, P.C., O.C., Ph.D., F.R.S.C.



The Honourable Monique Bégin, a former federal cabinet minister and academic, will be awarded the degree of Doctor of Laws, *honoris causa*, at the 9:30 a.m. ceremony on Tuesday, June 7, "in recognition of an outstanding contribution to the lives of Canadian women and the accessibility to the Canadian health-care system for all."

In 1972, Monique Bégin was among the first women from Quebec to be elected to the House of Commons. She served as minister of national revenue in 1976-1977 under Prime Minister Pierre Trudeau and as minister of national health and welfare between 1977 and 1984. During that time, the Child Tax Credit (now the National Child Tax Benefit) was created and the Canada Health Act came into force. After leaving politics, she became a professor and was the first holder of the Joint Chair in Women's Studies at the University of Ottawa and Carleton. A visiting professor with the Health Administration Program at the Telfer School of Management since 1998, she was appointed in 2005 to the WHO Commission on Social Determinants of Health. She is a Fellow of the Royal Society of Canada and has received several honorary doctorates in recognition of her contribution to human rights and public policy. In 1998, she was invested as an Officer of the Order of Canada.

# ORDER OF PROCEEDINGS

## Morning ceremony

Tuesday, June 7, 9:30 a.m.

President and Vice-Chancellor Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*, presiding

*The audience is requested to stand when the Academic Procession arrives and remain standing until O Canada has been sung. At the conclusion of the ceremony, the audience will wait until the Academic Procession has left before exiting the Fieldhouse.*

Processional Music

John Robert Coghill Jr., *B.Mus.* (bagpipes)  
Garry Matthews (snare drum)  
Amos Van Die (bagpipes)

O Canada (*The audience is invited to sing. Please see page 2.*)

Performed by  
Erinne-Colleen Laurin

Opening Ceremony

Elder, David Serkoak  
Representing the Inuit

Introduction by the Master of Ceremonies  
Peter Ricketts, *B.A., Ph.D.*  
Provost and Vice-President (Academic)

Conferring of the Degree of Doctor of Science, *honoris causa*, upon

David McCurdy Baird, *O.C., Ph.D., LL.D., D.Sc., F.R.S.C.*  
(Presented by Professor Emeritus Don Wiles, *B.Sc., B.Ed., M.Sc., Ph.D.*  
Department of Chemistry)

Conferring the Degree of Doctor of Laws, *honoris causa*, upon

The Honourable Monique Bégin, *P.C., O.C., Ph.D., F.R.S.C.*  
Former Federal Cabinet Minister, Professor Emeritus  
(Presented by Professor Diana Majury, *LL.B., LL.M., S.J.D., LL.D.*  
Associate Dean (Research and Graduate Affairs), Faculty of Public Affairs)

Convocation Addresses

David McCurdy Baird, *O.C., Ph.D., LL.D., D.Sc., F.R.S.C.*  
Founding Director, Canada Science and Technology Museum and the Royal Tyrell Museum of Paleontology  
The Honourable Monique Bégin, *P.C., O.C., Ph.D., F.R.S.C.*  
Former Federal Cabinet Minister, Professor Emeritus

Conferring of Degrees by Examination

Warrant  
Brian Mortimer, *B.Sc., M.Sc., Ph.D.*  
Clerk of Senate and Marshal of Convocation

Musical Interlude

Performed by Roxanne Goodman and John Dapaah

Awarding of Medals

Welcome from the Alumni Association

Linda Ann Daley, *B.A., M.A.*  
Community Member, Carleton University Board of Governors  
Council Member of the Transitional College of Registered Psychotherapists  
and Registered Mental Health Therapists of Ontario

Closing Address by the President and Vice-Chancellor

Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*

Recessional Music



## DOCTOR OF PHILOSOPHY

(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)

### BIOLOGY

- Marie-Ange Catherine Gravel, B.Sc.**  
Teleost Fish Providing Parental Care:  
Individual and Intergenerational Costs and  
Consequences of Nest Predation Pressure  
Supervisor: S. Cooke
- Caleb Hasler, B.Sc., M.Sc.**  
A Conservation Physiology Approach to  
Understanding the Migration Biology of an  
Imperiled Stock of Summer-Run Chinook  
Salmon (*oncorhynchus tshawytscha*) in a  
Regulated River  
Supervisor: S. Cooke
- Matthew Garrett M. Jessulat, B.Sc.**  
Identification of Novel Mediators of Efficient  
Non-Homologous End Joining in the Yeast  
*Saccharomyces cerevisiae*  
Supervisor: A. Golshani
- Pratik Lodha, B.Sc.**  
Exploration of the Determinants of Substrate  
and Reaction Specificity in the Pyridoxal  
5'-Phosphate-Dependent Enzymes of the  
Transsulfuration Pathways  
Supervisor: S. Aitken
- Leif Thomas Olson, B.Sc.**  
The Influence of Analysis Design on  
Systematic Conservation Planning  
Supervisors: L. Fahrig and K. Lindsay
- Stacey Adele Robinson, B.Sc.**  
Parasitism and Contaminants: Relationships  
and Underlying Mechanisms for a Model  
Endohelminth-Bird Association  
Supervisors: M. Forbes and C. Hebert

### CHEMISTRY

- Molla Rafiqueel Islam, B.Sc., M.Sc.**  
Polymer Confined Self Assembly  
Supervisor: P.R. Sundararajan
- Mohammad Mostofa Kamal Khan, B.Sc., M.Sc.**  
Studies on Self-Sorting Crystalline Mixtures,  
Hollow Fiber Organogels and Lumen-Loaded  
Gels of Nonchiral Polyurethane Model  
Compounds  
Supervisor: P.R. Sundararajan
- Yasir Sultan, B.Sc.**  
Development of Smart Materials Using  
Aptamer Based Bionanotechnologies  
Supervisor: M. DeRosa

### COMPUTER SCIENCE

- César Astudillo-Hernandez, B.Eng., Lic.**  
Self Organizing Maps Constrained by Data  
Structures  
Supervisor: J. Oommen
- Xue Ying Chen, B.Eng., M.C.S.**  
Distributed Ontology Systems for Owl  
Ontologies with Large Number of Instances  
Supervisor: M. Dumontier
- Oscar Morales Ponce, B.Sc., M.Sc.**  
Connectivity of Wireless Sensor Networks  
Using Directional Antennae  
Supervisor: E. Kranakis
- Elio Velazquez, B.C.S., M.C.S.**  
Distributed and Localized Strategies for  
Energy Restoration in Wireless Sensor  
Networks  
Supervisor: N. Santoro

### EARTH SCIENCES

- Hafida El Bilali, B.Sc., LL.B., M.Sc.**  
Holocene Paleoclimate Reconstruction from  
 $\delta^{18}\text{O}$  Cellulose and Response to Solar Forcing  
in Eastern Canada: Evidence from Mer Bleue  
Bog, Ottawa, Ontario  
Supervisor: T. Patterson
- Peter Axel Fernberg, B.Sc., Dip., M.Sc.**  
Earth Resistivity Structures and their Effects  
on Geomagnetic Induction in Pipelines  
Supervisors: C. Samson and L. Trichtchenko
- Kumari Catharine Karunaratne, B.Sc., M.Sc.**  
A Field Examination of Climate-Permafrost  
Relations in Continuous and Discontinuous  
Permafrost of the Slave Geological Province  
Supervisor: C. Burn

### APPLIED MATHEMATICS and PURE MATHEMATICS

- Mehrdad Kalantar\*, B.Sc., M.Sc.**  
Towards Harmonic Analysis on Locally  
Compact Quantum Groups From Groups to  
Quantum Groups - and Back  
Supervisor: M. Neufang
- Mathieu Lemire\*, B.Sc., M.Sc.**  
Extensions of the Ramanujan-Mordell Formula  
Supervisor: K. Williams

**Mitch Murphy\***, B.Sc., M.B.A.  
The Multivariate Pearson IV Distribution  
Supervisor: D. Amundsen

## PHYSICS

**Louise Anne Heelan\***, B.Sc., M.Sc.  
Calibration of the ATLAS Forward Calorimeter  
and a Study of the Top Quark Production  
Cross-Section Measurement in the Dilepton  
Channel  
Supervisor: G. Oakham  
Specialization in High Energy Physics

**Ernesto Mainegra Hing\***, B.Sc., Lic.  
Efficient Monte Carlo Simulations in  
Kilovoltage X-Ray Beams  
Supervisor: I. Kawrakow  
Specialization in Medical Physics

**Etienne Rollin**, B.Sc., M.Sc.  
Barium Ion Extraction and Identification from  
Laser Induced Fluorescence in Gas for the  
Enriched Xenon Observatory  
Supervisors: D. Sinclair and K. Graham  
Specialization in High Energy Physics

**Loredana Sorina Truica\***, L.D., M.Sc.  
Diffusion Weighted Magnetic Resonance  
Imaging Assessment of Blood Flow in the  
Microvasculature of Abdominal Organs  
Supervisor: I. Cameron  
Specialization in Medical Physics

## PSYCHOLOGY

**Emily N. Mangano\***, B.Sc., M.Sc.  
Neuroinflammatory Mechanisms of  
Parkinson's Disease  
Supervisor: S. Hayley  
Specialization in Neuroscience

**Kerry Rennie**, B.Sc.  
The Impact of Neonatal Basal Forebrain  
Cholinergic Lesion on the Behavioural  
and Neural Effects of Aging, Cerebral  
Hypoperfusion, and Environmental  
Enrichment  
Supervisor: B. Pappas  
Specialization in Neuroscience

## MASTER OF COMPUTER SCIENCE

*(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)*

**Carson Dylan Brown\***, B.C.S.  
A Meta-Scheme for Authentication Using Text  
Adventures

**Melodie Clarelle Carrington**, B.Sc.  
Detecting The Evil Twin Attack In A Single  
Hop Wireless Network Using Four-Square  
Antennas

**Michael Brendan Doherty**, B.Sc.  
A Weight-Distributing Placement Algorithm  
for Large Teams of Lifting Robots

**Blair Carleton Foster Jr.**, B.C.S.  
Object File Program Recombination of  
Existing Software Programs Using Genetic  
Algorithms

**Jun Hou\***, B.C.S.

**Dianshu Hu**, B.C.S.  
Privacy Enforcement Architectures for An  
E-Business Environment

**Jiangxin Hu**, B.Eng.

**Lechen Li\***, B.Eng.  
Achieving Data Privacy Through Virtual  
Updates

**Suranjit Paul**, B.Sc.

**Kumanan Yogaratnam\***, B.C.S.  
Exploring the Limits of GPUs With Parallel  
Graph Algorithms

**Rafal Zydowicz\***, B.C.S.  
A Speech Recognition Enabled Ambulance  
Call Report System for Paramedics

## MASTER OF SCIENCE

(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)

### BIOLOGY

**Kessiena Laarni Aya\***, B.Sc.

The Analysis of Morphological, Physiological and Ecological Traits that Influence Efficacy to the Foliar-Applied Herbicide Glyphosate Specialization in Chemical and Environmental Toxicology

**Pierre-Luc Brackenridge\***, B.Sc.

Effects of Familiarity on Boldness in Female Eastern Mosquitofish (*Gambusia Holbrooki*)

**Heather May Phillips Coffey**, B.A.Sc.

Relative Effects of Traffic Pollution, Moisture and Colonization Sources on Urban Lichens

**Katrina Cook**, B.Sc.

Individual Variability and Fitness Consequences of Stress-Induced Cortisol in Wild Fish

**Jennifer Johanna Fauquier\***, B.Sc.

Wing-Wing Interactions in Rotating Locust Wing Models

**Jean-Paul Fournier**, B.Sc.

If a Bird Flies in the Forest, Does Anyone Hear it? Avian Flight Sound Cues and Hearing in Lepidoptera

**Jeffrey Keith Graham\***, B.A.Sc.

An Empirical Test of Adaptive Bet Hedging in *Neurospora crassa*

**Joanna Allyn James**, B.Sc.

Native Bee Diversity in Conventional and Organic Hedgerows in Eastern Ontario

**Elena Alex Kreuzberg**, B.Sc., Ph.D.

Effects of Landscape Structure and Agricultural Practices on Farmland Birds in Ontario

**Christine Elizabeth Lowe\***, B.Sc.

A Novel Family of Fatty Acyl Thioesterases from *Arabidopsis Thaliana*

**Sarah Margaret Matheson\***, B.Sc.

Vibratory Mediated Spacing in Groups of Insect Larvae (*Drepana Arcuata*, Lepidoptera; *Scolytus Multistriatus*, Coleoptera)

**Lama Musa\***, B.Sc.

Analysis of Blade-On-Petiole Interactions with Auxin in Control of Organ Initiation and Leaf Patterning in *Arabidopsis Thaliana*

**Noor Sunba\***, B.Sc.

Directing a Messenger RNA into Yeast Mitochondria

**Frances Tran**, B.Sc.

Transcriptome Profiling of Triticale Reproductive Tissues

### CHEMISTRY

**Negar Bahraini**, B.Sc.

Molecularly Imprinted Polymers for Emergency <sup>90</sup>Sr Urine Bioassay

**Jenna Elizabeth Davies\***, B.Sc.

Solid-Phase Extraction of Bisphenol a in Water Using Carbon Nanotube Envelopes

**Matthew Paul Huebsch**, B.Sc.

A Novel Mass Spectrometry-Based Proteomic and Phosphoproteomic Strategy for the Quantitative Analysis of a Leukemic Cell Line Infected by an Oncolytic Virus

**Shari Andréa Levac**, B.Sc.

Isolation, Purification and Characterization of Proteins from Indoor Strains of *Eurotium Amstelodami*, *Eurotium Rubrum* and *Eurotium Herbariorum* that are Antigenic to Humans Specialization in Chemical and Environmental Toxicology

**Yu Yang**, B.Sc.

Development of Trace Analysis Methods by Spectrofluorimetry

### EARTH SCIENCES

**Ruth O. Gbadeyan**, B.Sc.

Stratigraphy, Sedimentology and Diagenesis of the Lindsay Formation, Upper Ordovician, Ottawa Embayment, Eastern Ontario

**Katherine Hahn\***, B.Sc.

Sequence Stratigraphy, Provenance, Isotopic Composition, and Regional Correlation of the Upper Hornby Bay and Lower Dismal Lakes Groups, NWT and Nunavut

**Mélanie Mercier**, B.Sc.

Dextral Strike-Slip Faulting History of the Mid-Cretaceous D'Abbadie Fault Zone, Pelly Mountains, South-Central Yukon, Canada

**Joanna Mary Northover\***, B.Sc.

Skeletal Morphology and Evidence for Swimming in a Fossil Stem Pinniped, *PUIJILA DARWINI*, From the Canadian High Arctic

**Sulaiman Osuolale Olagoke\***, *B.Tech., M.Sc.*  
Carbon Isotope Stratigraphy and  
Geochemical Studies/Investigation for  
Changes Across Bentonites in the Upper  
Cretaceous (Cenomanian-Turonian)  
Successions of WCSB Canada

## INFORMATION AND SYSTEMS SCIENCE

**Wenlin Liu\***, *B.Appl.Sc.*  
The Impact of Aspect-Oriented Programming  
on Software Performance: The Case Study of  
Leader/Followers and Half-Sync/Half-Async  
Concurrent Architectural Patterns

## APPLIED MATHEMATICS, MATHEMATICS, PURE MATHEMATICS and PROBABILITY AND STATISTICS

**Kristopher Scott Alladin\***, *B.Math.*

**Sofia Auer**, *B.Sc.*

**Gregory Martin Doyle\***, *B.Math.*  
A Recursive Formula for the Convolution Sum  
of Divisor Functions

**Jingshan Fu**, *B.Eng.*

**Gennadi Gromykov**, *B.Math.*  
Detection of the Presence of Long Range  
Dependence in Time Series

**Sirous Homayouni**, *M.Sc., Ph.D.*  
Some Generalizations of the Heisenberg  
Uncertainty Principle

**Evona Jamroz\***, *B.Eng.*

**Mervis Kikonko\***, *B. A. Ed.*  
Non-Definite Sturm-Liouville Problems with a  
Weight Function Having Two Turning Points

**Jason Michael Lind**, *B.Math.*  
An Extension of the Poisson Summation  
Formula to a Semi-Direct Product

**Geoffrey Logan**, *B.Math.*

**Dominique J. Roy\***, *B.Math., B.Sc.*  
Confirmation of the Non-Existence of a  
Projective Plane of Order 10

**Rosita Sharif Ahmadi\***, *B.Eng.*

**Yulia Tsutsa**, *B.Sc.*  
Specialization in Biostatistics

**Huan-Chieh Jay Wang**, *B.Sc.*

**Chen Xu\***, *B.Eng.*  
Tail Asymptotics for a Discrete-Time Priority  
Preemptive Queueing System

**Yi Yuan\***, *B.Math.*

**Lingyun Zhu**, *B.Sc.*

**Lan Zhuo\***, *B.Sc.*  
An Overview of Statistical Methods for Active  
Pharmacovigilance with Applications to  
Diabetes Patients

## NEUROSCIENCE

**Michael Vandenberg**, *B.Sc.*  
Neuro-Structural Analysis of the Fast, Seizure-  
Prone Rat Strain vs. the Slow, Seizure-Resistant  
Rat Strain Using Magnetic Resonance Imaging  
(MRI) and Stereology

## PHYSICS

**Patrick Assouad\***, *B.Sc.*  
A Study of Silver Halide Fibers Using Fiber  
Evanescent Wave Spectroscopy to Assess the  
Potential for In-Vivo Diagnosis of Malignant  
Cervical Tissue  
Specialization in Medical Physics

**James Lacey\***, *B.Sc.*  
Ionization Signal Measurement Through  
Detection of Electroluminescent Light  
Specialization in High Energy Physics

**Munira Fardous Nahin**, *B.Sc.*  
Reproducibility of Thallium-201 Myocardial  
Perfusion Study in Rat Model with  
MicroSPECT  
Specialization in Medical Physics

**Adam Noel Robichaud\***, *B.Sc.*  
Characterization of Diamond Sensors in  
ATLAS Pixel Read-Out Electronics  
Specialization in High Energy Physics

**Russell Woods**, *B.Sc.*  
Time Resolution of the COSMo TPC Prototype  
Specialization in High Energy Physics

## PSYCHOLOGY

**Livia Chyurlia\***, *B.Sc.*  
Towards Changes in MicroRNA Expression  
Associated with Increases and Decreases in  
Adult Rat Hippocampal Neurogenesis  
Specialization in Neuroscience

## BACHELOR OF COMPUTER SCIENCE (HONOURS)

*(Presented by Professor Douglas Howe  
Director, School of Computer Science)*

**Pradyumna Addala\***  
Highest Honours  
Co-operative Education

**Simardeep Ahuja\***  
Highest Honours  
Minor in Mathematics

**Jaclyn Anderson**  
High Honours  
Co-operative Education

**Beibyt Azymbek**  
High Honours  
Minor in Business

**Eric Steven Billingsley\***  
Highest Honours  
Co-operative Education

**Louis Richard Bourque\***  
Highest Honours

**Yang Cai\***  
Honours  
Minor in Mathematics

**Yang Yang Cai**  
Honours  
Minor in Mathematics

**Michael Cayer\***  
High Honours

**Jason Nicholas Deeble\***  
Honours

**Tyson Domitrovits**  
Highest Honours  
Minor in Psychology  
Co-operative Education

**Michael Du Plessis**  
Highest Honours  
Minor in Business

**Elmunir Elgajji\***  
Honours

**William Ewanick**  
Honours

**Benjamin Franks**  
High Honours  
Minor in Mathematics  
Co-operative Education

**Adrien Gervais\***  
Honours  
Minor in Mathematics

**Stevenson Gossage\***  
High Honours

**Rafael Guembes**  
Highest Honours

**Henry Ho**  
Highest Honours  
Minor in Mathematics  
Co-operative Education

**Alexander Honeywell**  
Honours

**Nan Hu**  
Honours  
Minor in Mathematics

**Dustin Leonard Jackson\***  
Honours  
Minor in Mathematics

**Anthony Di Giacomo Jarrett**  
Honours  
Minor in Earth Sciences

**Zhuo Jin\***  
Honours  
Minor in Mathematics

**Tyler Wayne Kerry**  
Honours

**Vafa Khoshaein**  
Highest Honours

**Saken Khudaibergenov**  
High Honours  
Minor in Mathematics

**Temirlan Kumargazhin\***  
Highest Honours

**Po Kong Lai**  
Highest Honours  
Minor in Mathematics  
Co-operative Education

**Eric Lawless\***  
Highest Honours  
Minor in Mathematics

**Wayne Leroux-Ricken**  
Highest Honours  
Minor in Psychology

**Nicol Suet Lynn Lum**  
Highest Honours  
Co-operative Education

**Andrew Neil McCallum**  
Highest Honours  
Minor in Business  
Co-operative Education  
with Study Term Abroad

**Kathleen McClean**  
Highest Honours  
Minor in Mathematics  
Co-operative Education

**Brian James Robert Moffat**  
High Honours

**Rana Mourad\***  
Highest Honours  
Minor in Mathematics

**Jordan Myronuk**  
Honours

**Michael Nemat**  
Honours

**Nicholas Osborne**  
Honours  
Minor in Mathematics

**Evan Ouellette-Pritchard**  
Honours  
Minor in Japanese

**Nabil Ould-Brahim**  
Highest Honours  
Minor in Mathematics  
Co-operative Education

**Jimin Park**  
Highest Honours  
Minor in Mathematics

**Kevin Rose**  
Honours

**Shawn Ashley Simister**  
Honours

**Rohan Soni**  
Highest Honours  
Minor in Business  
Co-operative Education

**Ernest Szoka\***  
Honours

**Qiuliang Tang**  
Highest Honours  
Co-operative Education

**Karim Tantawy**  
High Honours  
Minor in Mathematics  
Co-operative Education

**Christopher Whiten**  
Highest Honours  
Minor in Mathematics

**Calvin Wiebe\***  
Honours  
Co-operative Education

## BACHELOR OF COMPUTER SCIENCE (MAJOR)

---

*(Presented by Professor Douglas Howe  
Director, School of Computer Science)*

**Waheed Ahmed**  
Minor in Mathematics

**Ian Barnett**

**David Beaudoin Fortin**

**Zachary Boissinot**

**Peter John Dalabiras\***

**Li Li\***  
Minor in Statistics

**Dustin Martin\***  
Minor in Business

**Grant McNeil**  
Minor in Psychology

**Anita Naim**  
Minor in French

**Stephen Robert Poirier\***

**Mike Preston, B.A.**  
*With Distinction*

**Benjamin Robson**  
Minor in Business

**Mark Walts\***

**Zhihao Chuck Wang\***  
Co-operative Education

**Jason Wong**

**Judy Wong**  
Minor in Psychology



## BACHELOR OF COMPUTER SCIENCE

---

*(Presented by Professor Douglas Howe  
Director, School of Computer Science)*

Ryan Deugo\*  
Minor in Law

Russell Keith Kleinsteuber\*

## BACHELOR OF MATHEMATICS (HONOURS)

---

*(Presented by Professor Yiqiang Zhao  
Director, School of Mathematics and Statistics)*

Voleak Choerung  
High Honours  
Mathematics  
Specialization in Stochastics

Abigail Hammers\*  
Honours  
Mathematics  
Minor in Film Studies

Alicia Heaven  
High Honours

Zhewen Li  
Honours  
Statistics

Adedamola Eniola Oridate  
Highest Honours  
Statistics and Economics

Fares Said\*  
Highest Honours  
Statistics  
Minor in Physics

Karli Leora Speevak-Sladowski  
Honours  
Mathematics

Joel Windle  
Honours  
Mathematics  
Minor in Geography  
Co-operative Education

## BACHELOR OF MATHEMATICS

---

*(Presented by Professor Yiqiang Zhao  
Director, School of Mathematics and Statistics)*

Bashar S. Abdul Amir\*  
Computer Mathematics  
Minor in Computer Science

Maha Bakri M. Basha  
Mathematics

Laura Bechberger, B.Sc.  
Mathematics

Hala Sudqi Dahbour  
Computer Mathematics

Christina Lavina Fernandes-D'Souza  
Computer Mathematics

Charbel Haddad\*  
Mathematics  
Minor in Philosophy

Scott Jeffrey Hall\*  
Mathematics  
Minor in Music

Mahdee Jodayree Akbarfam  
Mathematics  
Minor in Economics

Mike Kietsathit\*  
Statistics

Ashley Elizabeth M<sup>c</sup>Leod-M<sup>c</sup>Rae\*  
Mathematics  
Minor in Music

Susan MacPherson\*  
Statistics  
*With Distinction*

Meshack Moetele\*  
Mathematics



**Sankalp Pandey**  
Statistics

**Parikrit Dutt Prabhakar\***  
Mathematics

**Ingi Roshdy Rady Ateya**  
Mathematics

**Aurora Richard**  
Statistics  
Minor in Computer Science

**Sara Irene Rodney, B.Sc.**  
Statistics

**Theosophia Savides-Dupras**  
Mathematics

**Charles Uwitwongeye**  
Statistics

**Andrew Okanta Van Der Puije**  
Computer Mathematics

**Chang Xuan Wu**  
Statistics  
Minor in Computer Science

## **BACHELOR OF SCIENCE (HONOURS)**

*(Presented by Professor Malcolm Butler  
Dean, Faculty of Science)*

**Rana Abu-Safeyeh**  
Honours  
Biochemistry

**Mahshid Aghajani**  
Honours  
Biochemistry

**Amal Ahmed**  
Honours  
Integrated Science  
Concentration in Science Education

**Akuvi Kafui Akpawu**  
Honours  
Biochemistry and Biotechnology

**Katrina Aliisa Albert**  
Honours  
Neuroscience

**Fayadh R. Al-Shammari\***  
Honours  
Biology

**Sruthi Atluri**  
Honours  
Biology and Biotechnology

**Renee Beaton**  
Honours  
Earth Sciences  
Concentration in Vertebrate Paleontology and  
Paleoecology

**Bryce Bongfeldt**  
Honours  
Biology  
Minor in Psychology

**Jessica Bristo-O'Connor**  
Honours  
Chemistry

**Emily Brown**  
Highest Honours  
Biochemistry

**Jemimah Margarete Brown**  
Honours  
Neuroscience

**Trevor Burn**  
Highest Honours  
Mathematics and Physics  
Co-operative Education

**Alia S. L. Busuttill**  
Highest Honours  
Biochemistry

**James Alexander Campbell**  
Highest Honours  
Earth Sciences  
Concentration in Vertebrate Paleontology and  
Paleoecology

**Merve Cardak\***  
Honours  
Biology and Biotechnology

**Matthew Chan**  
Highest Honours  
Chemistry and Computer Science  
Minor in Mathematics

**Alexander Quoc Huy Chung**  
Honours  
Biology

**Graham John Cree**  
Highest Honours  
Physics

**Nicholas Curtiss**  
Honours  
Chemistry and Earth Sciences  
Minor in Business

- Theodore Daigle**  
Highest Honours  
Biochemistry and Biotechnology
- Ryan Di Giuseppe**  
Honours  
Integrated Science  
Concentration in Science and Technology
- Danielle Dionne**  
Highest Honours  
Earth Sciences  
Concentration in Vertebrate Paleontology and  
Paleoecology
- Deanna Ellis**  
Honours  
Biology  
Minor in Earth Sciences
- Brandon Fasan**  
Honours  
Computational Chemistry
- Brittany Marie Finkelman**  
Honours  
Computational Chemistry
- Alexander Fitzsimmons**  
Highest Honours  
Chemistry
- Tatyana J. Flick**  
Highest Honours  
Biology
- Amanda Foster**  
Highest Honours  
Biochemistry and Biotechnology  
Co-operative Education
- Andrew Michael Fraser**  
High Honours  
Integrated Science  
Concentration in Health Science
- Samantha Frasz**  
Highest Honours  
Integrated Science  
Concentration in Health Science  
Minor in Biology
- Christopher Fry**  
Honours  
Earth Sciences
- Keira Garland**  
Honours  
Chemistry
- Stephanie Glanville**  
Honours  
Biology  
Minor in Psychology
- Julia Gliwa**  
Highest Honours  
Biochemistry and Biotechnology
- Shayur Goorah**  
Honours  
Integrated Science
- Vladimir Greshishchev**  
Honours  
Biology  
Minor in Japanese
- Christopher Martin Hachkowski**  
High Honours  
Earth Sciences
- Kevin Taner Hamdullahpur**  
Highest Honours  
Neuroscience
- Abdulrahman Hashem**  
Honours  
Integrated Science  
Minor in Psychology
- Ahmed Hashi\***  
Honours  
Integrated Science  
Minor in Psychology
- Farah Basem Hasson**  
Highest Honours  
Environmental Science  
Minor in Chemistry
- Sarah Jane Heinzle**  
High Honours  
Integrated Science  
Concentration in Health Science  
Minor in Psychology
- Sean Heney**  
Honours  
Earth Sciences
- Adam Hoffman**  
High Honours  
Earth Sciences and Physical Geography  
Minor in History
- Elyse Dominique Howat**  
High Honours  
Environmental Science  
Minor in Biology
- Rabita Huq**  
Honours  
Integrated Science  
Minor in Mathematics
- Sonya Hussain**  
Honours  
Chemistry  
Minor in Mathematics

- Shawn Iserhoff\***  
High Honours  
Integrated Science  
Minor in Business
- Melody Jackson**  
Highest Honours  
Environmental Science
- Ermias Kahsay**  
High Honours  
Chemistry
- Laura Katz**  
Highest Honours  
Earth Sciences
- Mourin Khan**  
Honours  
Chemistry
- Paul Khazzaka**  
Honours  
Biology
- Samantha Fern Kornfeld, B.Mus.**  
Highest Honours  
Biology and Biotechnology
- Iva Angelova Kurtelova**  
High Honours  
Biology and Biotechnology
- Geoffrey Alan Lamb**  
Honours  
Environmental Science
- Ashley Landriault**  
High Honours  
Environmental Science  
Minor in Earth Sciences
- Kaila Marie Lassaline**  
Highest Honours  
Integrated Science  
Concentration in Health Science
- Stephanie Leach**  
Honours  
Biology and Biotechnology
- Candace Legault**  
High Honours  
Integrated Science  
Concentration in Forensic Science  
Minor in Psychology
- Xinwei Liu**  
High Honours  
Biochemistry
- Taryn Lloyd**  
Highest Honours  
Neuroscience
- Bryan Edward Dinh Luu**  
Highest Honours  
Neuroscience
- Bradley MacMillan**  
Honours  
Earth Sciences
- Amr Mahmoud\***  
Honours  
Biochemistry and Biotechnology
- Yulia Maistrovski**  
Highest Honours  
Integrated Science  
Minor in Biology and Minor in Psychology
- Alan Patrick Manning**  
Highest Honours  
Physics  
Minor in Mathematics  
with Study Term Abroad
- Hailey Elizabeth Masiero**  
Honours  
Integrated Science  
Concentration in Science Education
- Kyle Matte**  
Honours  
Earth Sciences
- Christian-Scott McCartney**  
High Honours  
Biochemistry
- Bradley McFeeters**  
Highest Honours  
Earth Sciences  
Concentration in Vertebrate Paleontology and  
Paleoecology
- Jennifer Meisner**  
Highest Honours  
Integrated Science  
Concentration in Health Science
- Natalie Mesnic**  
Honours  
Chemistry  
Concentration in Nanotechnology
- Andrew Philip Mikhail**  
Highest Honours  
Biology  
Minor in Psychology
- Tejal Pravinkant Mistry**  
Honours  
Biology
- Nemanja Mladjenović**  
Honours  
Biology and Biotechnology

- Aini Yasmin Mohamed Yusoff**  
Honours  
Biology
- Zaharina Binti Mohd Khalid**  
Honours  
Biochemistry and Biotechnology
- Sean Moir**  
Highest Honours  
Environmental Science
- David Montemurro**  
High Honours  
Integrated Science  
Concentration in Forensic Science
- Andre William Morrill**  
Highest Honours  
Biology
- Nur Farhana Binti Muhamad**  
Honours  
Biochemistry and Biotechnology
- Amber Lynn Noll**  
Highest Honours  
Integrated Science  
Concentration in Science Education  
Minor in Psychology
- Amen Obasohan**  
Highest Honours  
Biology  
Minor in Psychology
- Sean O'Reilly**  
High Honours  
Biochemistry
- Thomas John Parlee**  
High Honours  
Biology
- Laura Peeling**  
Highest Honours  
Integrated Science  
Concentration in Science and Ethics
- Jelena Perovic**  
Honours  
Earth Sciences
- Jeremy William Powell**  
Highest Honours  
Earth Sciences
- Colin Purdy\***  
High Honours  
Earth Sciences
- Zhaoyi Qin**  
Highest Honours  
Chemistry
- Justin Rajala\***  
High Honours  
Biology
- Nilendran Ratnasabapathy, B.Eng.**  
Honours  
Integrated Science
- Ryan Reshke**  
Honours  
Biochemistry and Biotechnology
- Michelle Riccio**  
Honours  
Chemistry
- Yvonne Riccio**  
High Honours  
Biochemistry and Biotechnology
- Christina Jeanne Richard\***  
High Honours  
Environmental Science
- Susan Nicole Richardson**  
Honours  
Chemistry
- Michael Anthony Robertson**  
High Honours  
Biology and Earth Sciences
- Angel Leigh Caroline Salmon\***  
Honours  
Neuroscience  
Awarded Posthumously
- Andrew Scullion**  
Highest Honours  
Applied Physics  
Co-operative Education
- Andrew James Seal**  
High Honours  
Biochemistry
- Abdulnasser Murdhi Hamaid Shehab Nasser\***  
Honours  
Applied Physics
- Sohaib Siddiqui**  
Honours  
Biology and Biotechnology
- Anna Maria Smetny-Sowa**  
Highest Honours  
Chemistry and Earth Sciences  
Minor in Mathematics
- Shivan Sornarajah**  
Highest Honours  
Integrated Science  
Concentration in Health Science  
Minor in Computer Science
- Melissa Speakman**  
Highest Honours  
Integrated Science  
Concentration in Forensic Science

Jennifer Kimberly Tighe, B.A.  
Honours  
Environmental Science  
Minor in Earth Sciences: Earth Resources and  
Processes and Minor in Geography

Steven B. Tshakatumba\*  
Honours  
Biochemistry and Biotechnology

Kipkios Tubei\*, B.Sc.  
Honours  
Biology

Morgan Verge  
Honours  
Earth Sciences

Joel Jordan Weber  
Honours  
Earth Sciences

Adam Wells  
Honours  
Chemistry

Erin Patricia Westby  
Highest Honours  
Integrated Science  
Concentration in Health Science

Stacey Katherine Wetmore  
Honours  
Earth Sciences

Nadrina Anne Whatley  
Highest Honours  
Neuroscience

Samantha Wilson  
Highest Honours  
Biochemistry  
Co-operative Education

Cody Douglas Wise  
High Honours  
Biology  
Minor in Chemistry

Seghen M. Woldai  
High Honours  
Integrated Science  
Concentration in Forensic Science  
Minor in French

Annemarie Wolff\*  
Highest Honours  
Integrated Science

X Wuhantu  
Honours  
Earth Sciences

Amirah Izzati Binti Yaakob  
Honours  
Biochemistry and Biotechnology

## BACHELOR OF SCIENCE (MAJOR)

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*(Presented by Professor Malcolm Butler  
Dean, Faculty of Science)*

Kent Fulton\*  
Physics

John Tyler  
Earth Sciences

## BACHELOR OF SCIENCE

---

*(Presented by Professor Malcolm Butler  
Dean, Faculty of Science)*

Murjan Abdi\*  
Integrated Science

Nurul Asyikin Abdul Razak  
Integrated Science

Ademola A. Adeseko\*  
Integrated Science

Bilal Akkaoui  
Biochemistry

Abdul-Munem Amsaad\*  
Integrated Science

Meaghan Anderton  
Integrated Science  
Concentration in Health Science

Hooman Barari  
Integrated Science  
Concentration in Information Technology

Jonathan Scott Batista  
Integrated Science

Rohanna Bhola  
Biology

- Shannon Bower\***  
Biology
- Michael Buhr\***  
Integrated Science  
Concentration in Health Science  
with Study Term Abroad
- Alex Joseph Francois Couture-Lauzon**  
Integrated Science  
Concentration in Health Science
- Akila Dhaif\***  
Integrated Science  
Concentration in Forensic Science
- Peggy Ann Dunlop**  
Chemistry
- Haider Dusche**  
Earth Sciences
- Virginia Escobar-Ardon**  
Biology
- Zijun Fei\***  
Biology
- Danielle Alicia Furgoch**  
Biology  
Minor in Psychology
- Sherwin Habibi**  
Biology  
*With Distinction*
- Fadie Haniyah\***  
Biology
- Maryam Hashem**  
Chemistry
- Leon Hsiang-Chih Hsu**  
Biology
- Timothy Hull**  
Integrated Science
- Saad Ahmed Khan\***  
Integrated Science
- Matthew Thomas Kivett Knight\***  
Physics
- Ehsan Arya Kolaei**  
Biology  
Minor in Psychology
- Kelly Ka-Yue Lam**  
Integrated Science  
Concentration in Forensic Science  
Minor in Psychology
- Vernon Lee**  
Biology
- Christopher Logan**  
Biology  
Minor in Psychology
- Marissa Barbara Kathleen Mair**  
Biology
- Robert Thomas McCracken**  
Integrated Science
- Connor M<sup>c</sup>Lellan**  
Integrated Science  
Concentration in Science Education  
Minor in Earth Sciences: Earth Resources and  
Processes
- Elmi Mohamed**  
Integrated Science
- Patrick O'Brien**  
Biology
- Devin O'Neill**  
Chemistry
- Anson Han Peng Qin\***  
Biology
- Antonio Ranieri\***  
Physics
- Ryan Michael Seeley**  
Biology
- Cameron Shaw**  
Earth Sciences
- Piratheepan Sivarajah\***  
Integrated Science
- Paul Gregory Stewart**  
Integrated Science  
Minor in Computer Science
- Wafa Sultan**  
Biology
- Reuben E. Tachie-Menson\***  
Chemistry
- Ifeoma Uche-Agba**  
Integrated Science  
Concentration in Health Science  
Minor in Psychology
- Scott Van Millingen**  
Biology  
Minor in Mathematics
- Maria Cristina Varriano**  
Biology  
Minor in Psychology
- Katherine Wiebe**  
Biology  
Minor in Psychology
- Yingke Zhang**  
Biology

## AFTERNOON CEREMONY

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Tuesday, June 7, 2:00 p.m.

*Degrees conferred at Spring Convocation are awarded by Senate in February and in June.  
Degrees awarded in February are denoted by an asterisk (\*)*



## HONORARY DEGREE RECIPIENT

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Mary May Simon, O.C., O.Q., LL.D.



Inuit leader Mary May Simon will be awarded the degree of Doctor of Laws, *honoris causa*, at the 2 p.m. ceremony on Tuesday, June 7, "in recognition of dedication and commitment to Inuit rights, social justice and education and leadership in circumpolar affairs."

Mary May Simon has devoted her life to achieving social justice for Inuit nationally and internationally, with a focus on children and youth and preserving the Inuit language. In the environmental, economic and political arenas, she has been an advocate for Inuit co-operation and was the architect of Canada's northern policy. In the early 1980s, she was a senior Inuit negotiator during the Canadian constitutional discussions which led to the recognition of Aboriginal rights in the 1982 Constitution Act. In 1994, she was named Canada's first Ambassador for Circumpolar Affairs. Her many honours include being named an Officer of the Order of Canada, the National Order of Quebec, the National Aboriginal Achievement Award and receiving the Governor General's 125th Commemorative Medal. She has been named to the International Women's Forum Hall of Fame and is a Fellow of the Arctic Institute of North America.

Currently, she is president of Inuit Tapiriit Kanatami, the national organization representing Inuit from Nunavut, Nunavik in Northern Quebec, Nunatsiavut in Labrador and the Inuvialuit region of the Northwest Territories.

# ORDER OF PROCEEDINGS

## *Afternoon ceremony*

Tuesday, June 7, 2:00 p.m.

Chancellor, The Right Honourable Herb Gray, *P.C., C.C., Q.C.*, presiding

*The audience is requested to stand when the Academic Procession arrives and remain standing until O Canada has been sung. At the conclusion of the ceremony, the audience will wait until the Academic Procession has left before exiting the Fieldhouse.*

Processional Music

John Robert Coghill Jr., *B.Mus.* (bagpipes)  
Garry Matthews (snare drum)  
Amos Van Die (bagpipes)

O Canada (*The audience is invited to sing. Please see page 2.*)

Performed by  
Erinne-Colleen Laurin

Opening Ceremony

Elder, David Serkoak  
Representing the Inuit

Introduction by the Master of Ceremonies  
Kimberly Matheson, *B.A., M.A., Ph.D.*  
Vice-President (Research and International)

Honouring Ceremony  
Elder, David Serkoak

Conferring of the Degree of Doctor of Laws, *honoris causa*, upon

Mary May Simon, *O.C., O.Q., LL.D.*  
(Presented by Professor Frances Abele, *Ph.D.*  
Academic Director - Carleton Centre for Community Innovation  
School of Public Policy and Administration)

Convocation Address

Mary May Simon, *O.C., O.Q., LL.D.*  
President, Inuit Tapiriit Kanatami

Conferring of Degrees by Examination

Warrant  
Brian Mortimer, *B.Sc., M.Sc., Ph.D.*  
Clerk of Senate and Marshal of Convocation

Musical Interlude

Performed by Roxanne Goodman and John Dapaah

Awarding of Medals

Conferring of the Founders Award upon

Richard Van Loon, *B.Sc., M.A., Ph.D., LL.D.*  
(Presented by Jay Nordenstrom, *B.A.*, Vice-President, Carleton University Alumni Association)

Welcome from the Alumni Association

Jay Nordenstrom, *B.A.*  
Vice-President, Carleton University Alumni Association  
Executive Director, Canadian Association of Railway Suppliers

Closing Address by the President and Vice-Chancellor

Roseann O'Reilly Runte, *C.M., B.A., M.A., Ph.D.*

Recessional Music

## DOCTOR OF PHILOSOPHY

(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)

### POLITICAL SCIENCE

**Ayşe Sule Akinturk, B.A., M.A.**

The Politics of English as a Foreign Language:  
The Case of Turkey

Supervisors: R. Mahon and W. Walters

**Thomas Collombat\*, B.A., M.Sc.**

Several Souths: The Dynamics of the  
International Labour Movement in the  
Americas

Supervisor: L. Macdonald

Specialization in Political Economy

**Jon-Paul Lewis, B.A., M.A.**

The Unavoidable Struggle of Canadian  
Citizenship Education: An Analysis of  
Historical and Contemporary Challenges of  
Producing a Cohesive Policy Narrative

Supervisor: J. Malloy

**Mahmoud Masaeli\*, B.A., M.A.**

The Ethics of Recognition in International  
Relations: A Global and Cross-Cultural  
Perspective

Supervisor: F. Robinson

**Joseph Roman\*, B.A., M.A.**

On the Waterfront of Scale: Political  
Economy, Governance, and the Toronto  
Waterfront, 1879-2005

Supervisor: R. Mahon

**Andrea Rounce\*, B.A., M.A.**

Does Public Opinion Count? Tuition Fees,  
Student Support, and Public Opinion in  
Saskatchewan, 1991-2004

Supervisor: S. Bennett

### MASTER OF ARTS

(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)

### ECONOMICS

**Sarah Aboul-Magd, B.Soc.Sc.**

Concentration in Financial Economics

**Tahsina Akhter, B.Sc.**

**Teodora Alexandrova, B.Math.**

**Jumana Al-Tawil, B.A.**

**Nop Ariyaphanneekun, B.A., B.Sc.**

Concentration in Financial Economics

**Senad Arnautovic, Ph.D.**

Concentration in Financial Economics

**Jason Andrew Aston\*, B.A., M.A.**

**A.K.M. Abul Kalam Azad, B.Sc., M.Sc.**

**Ayşe Bilen, B.A.**

Concentration in Financial Economics

**Kate Burnett, B.A.**

**Mengdong Chen\*, B.Econ.**

**Mohammad Tamzidul Islam Chowdhury\*, B.Sc.**

**David Cimon, B.Soc.Sc.**

Concentration in Financial Economics

**Fraser Donald Cowan, B.Soc.Sc. (Hons.)**

**Cristina Alina Dascalescu\*, B.Econ.**

**Kyle Graham de March\*, B.A.**

**Quy Do\*, B.M.O.S.**

**Robert Dryden\*, B.A.**

**Alexander Keith Forbes\*, B.Sc.**

**Xiang Gao, B.Econ.**

Concentration in Financial Economics

**Zhewei Gong, B.B.A., B.Econ.**

Concentration in Financial Economics

**Yang Han\*, B.A.**

**Joshua Mark Hoddenbagh, B.A.**

**Khan Jahirul Islam, B.Soc.Sc. (Hons.), M.Soc.Sc.**

**Nusrat Jahan, B.Soc.Sc.**

**Jason Antonin Lalonde\*, B.A.**

**Hon Lam Le, B.A.**

Concentration in Financial Economics

**Xu Li, B.A.**

Concentration in Financial Economics

**Ian Lippert, B.A.**

Concentration in Financial Economics

Lu Liu, *B.Econ.*

Xiangyi Liu, *B.A.*

Concentration in Financial Economics

Riley Laura McIlwain, *B.Soc.Sc. (Hons.)*

Lucy Opsitnik, *B.A.*

Sunita Patel\*, *B.Sc.*

David Penney, *B.Sc.*

Christine Jocelyn Rodriguez\*, *B.A.*

John Philip Sagar, *B.Math.*

Concentration in Financial Economics

May Saleh, *B.Com.*

Concentration in Financial Economics

Charles Jasper Saunders, *B.A.*

Forecast Model Evaluation in Small-Sample  
Persistent Processes: A Simulation Study

James Gordon Ross Splinter, *B.A.*

Concentration in Financial Economics

Jaime Waitman, *B.A.*

Li Yu, *B.Eng.*

Concentration in Financial Economics

Yu Zhao, *B.A.*

Concentration in Financial Economics

Haiyan Zhou, *B.Math.*

## POLITICAL ECONOMY

Emily Isabel Harris\*, *B.A.*

Cities for City-Building? Own Source  
Revenues in Halifax and Edmonton

Alexandra Mullins, *B.A.*

Otim Harris Okwir\*, *B.A.*

Kurt Andrew Rafuse, *B.A.*

Challenging the Deregulation Narrative: A  
Material Account of Transformation in Canada  
and the United States' Trucking Industries and  
its Implications for an Effective Politics

Sarah Ryan, *B.A.*

Challenging Employee Status Using Legal  
Mobilization: Home-Based Child Care  
Workers and Rural and Suburban Mail Carriers  
Organize

## POLITICAL SCIENCE

Chris Aikenhead\*, *B.A.*

Roya Atmar, *B.A.*

Roisin Beck, *B.Soc.Sc.*

Deana Borkovic, *B.Soc.Sc.*

Deniz Bilge Celebioglu\*, *B.A.*

Caleb Chaplin, *B.A.*

The Advent and Evolution of Cybernetics and  
Political Disengagement

Jessica Evans, *B.A.*

Zachary Grant Scott Huywan\*, *B.Soc.Sc. (Hons.)*

Nicholas Kowbel\*, *B.A.*

Nicholas Kunysz, *B.A.*

James Lewis, *B.A.*

François Nadeau, *B.A.*

Can a Political Documentary Influence  
Foreign Policy Attitudes? The Agenda-  
Setting, Priming, and Framing Effects of  
CBC's *Masters of Space*.

Ian Andrew Smith-Windsor, *B.A.*

Sean Tierney\*, *B.A.*

Pauline Tuitoek, *B.Ed.*

## MASTER OF SOCIAL WORK

*(Presented by Chancellor's Professor John Shepherd  
Dean, Faculty of Graduate and Postdoctoral Affairs)*

Giftly Arkorful\*, *B.A.*

Katherine Hanton\*, *B.A., B.S.W.*

The Politics of Place: Violence Against Women  
in Rural Eastern Ontario

Gwang Shin Lee\*, *C.T.E.S.L., M.A.*

Lisa Middleton\*, *B.S.W.*

Manijeh Moghisi\*, *B.S.W.*

Social Work and the Environment

Lisa Corrine Muir, *B.A.*

Liette Perron, *B.A.*

Simone M. Powell, *B.P.A., M.A.*

Shannon Rebecca Sommerauer\*, *B.A., B.S.W.*

Women Redefining Justice: The International  
Tribunal on Crimes Against Women of Burma

Deanne Elizabeth Walters\*, *B.H.E.*

## BACHELOR OF ARTS (HONOURS)

(Presented by Professor John ApSimon  
Interim Dean, Faculty of Public Affairs)

**Daniel Abou Saada Radwan**

Honours  
Applied Economics  
Concentration in Financial Economics  
Minor in Statistics

**Yasmine Abu-Ayyash**

High Honours  
Political Science  
Concentration in International Relations

**Zandra Lee Alexander\***

High Honours  
Political Science  
Concentration in International Relations  
Minor in Communication Studies  
Co-operative Education

**Ahmed Al Hameli**

Honours  
Applied Economics  
Minor in Statistics

**David Andrusiak**

Highest Honours  
Economics

**Alexander William Snedden Aronec**

Honours  
Political Science

**Sarah Louise Atchison\***

Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)

**Heba Awad**

High Honours  
Political Science  
Concentration in International Relations  
Minor in Psychology  
Co-operative Education

**Catherine Ayotte\***

Honours  
Applied Economics  
Minor in Statistics

**Lubabah Syeda Bakht**

Honours  
Political Science  
Concentration in International Relations  
Minor in English

**Elisabeth Nicole Dawn Barnes\***

Highest Honours  
Political Science  
Concentration in International Relations  
Co-operative Education

**Veronica Barrett**

Highest Honours  
Applied Economics  
Minor in English

**Graham Smith Bebbington, B.A.**

Honours  
Political Science

**John Ross Bedard**

Honours  
Political Science

**Douglas Blissett**

Honours  
Economics

**James William John Bowden**

Highest Honours  
Political Science  
Minor in French and Minor in History  
Co-operative Education

**Caitlin Cafaro**

Highest Honours  
Political Science  
Concentration in International Relations  
Co-operative Education

**Ana Calin**

Honours  
Applied Economics  
Minor in Psychology

**Jesse Ian Canavor**

Honours  
Applied Economics

**Michelle Carlesimo, B.Sc.**

Highest Honours  
Political Science  
Concentration in International Relations  
Minor in Law

**Michelle Elizabeth Cochrane**

High Honours  
Political Science  
Minor in History

**Christopher Collins**

Honours  
Applied Economics  
Minor in Business

- Chris Connoly**  
Honours  
Applied Economics  
Minor in Law
- Ibrahim Conteh**  
Honours  
Political Science  
Concentration in International Relations  
Minor in African Studies
- Nicholas Corvari\***  
High Honours  
Applied Economics  
Minor in History
- Daniele Costanzo**  
Highest Honours  
Economics  
Minor in Law
- Sean Coulter\***  
High Honours  
Political Science  
Concentration in International Relations  
Co-operative Education
- Andrea Cox**  
High Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in Religion
- Calin Cuciureanu**  
Honours  
Economics  
Concentration in Financial Economics
- Lauren Dodds**  
High Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in History
- Dzifa Dravi**  
Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment) and Concentration in  
International Relations
- Farduusa Ducaale**  
Honours  
Political Science  
Concentration in International Relations
- Ratul Dutta\***  
High Honours  
Political Science  
Concentration in International Relations  
Minor in History
- Obot Egbo-Egbo**  
Honours  
Political Science  
Concentration in International Relations
- George Flerovsky**  
Highest Honours  
Economics
- Aaron Forsyth-Bose\***  
Honours  
Political Science  
Minor in History
- Agathon Randal Fric**  
Highest Honours  
Political Science  
Concentration in Canadian Politics  
Minor in Law  
Co-operative Education
- Veselin Fustar, B.A.**  
Honours  
Applied Economics
- Emily Gadula**  
Honours  
Political Science  
Minor in Russian
- Céline L. Gagnon**  
Honours  
Political Science  
Minor in History
- Katherine Gauthier**  
Highest Honours  
Political Science  
Concentration in International Relations  
with Study Year Abroad
- Benjamin Thompson Gigg**  
Highest Honours  
Political Science  
Concentration in International Relations  
Minor in History
- Monica Isabel Gonzalez**  
Honours  
Political Science  
Concentration in International Relations
- Danielle Renee Goulard, M.Sc.**  
Honours  
Applied Economics
- Rusen Firat Gulluoglu**  
Honours  
Political Science  
Minor in Philosophy
- Scott Hamilton, B.A.**  
Honours  
Political Science

**Elisea Lynn Hnatyshin**

Honours  
Political Science  
Minor in History

**Sarah Hobbs**

Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in Law

**Victor Hulea**

Honours  
Political Science

**Mikhail Chester Abaldonado Iturralde**

Honours  
Economics  
Minor in Statistics

**Gina Jashewski**

Honours  
Political Science

**Richard Thomas Jones**

High Honours  
Political Science  
Concentration in International Relations  
Minor in Law

**Nathanael Keen\***

Honours  
Economics  
Concentration in Financial Economics  
Minor in Music

**Matthew Slessor Kelman**

Honours  
Political Science

**Saood Khan**

Honours  
Applied Economics  
Minor in Psychology

**Christopher Khristophi**

Honours  
Political Science  
Concentration in International Relations

**Sara Korajian, B.A.**

Honours  
Political Science  
Concentration in Comparative Politics and  
Area Studies (Global South)

**Sean Kucharski\***

Honours  
Applied Economics

**Heather Robin Kuhl**

Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in Law

**Julie Kuras**

High Honours  
Political Science  
with Study Term Abroad

**Laura Elizabeth Kurkimaki**

Honours  
Political Science  
Concentration in Canadian Politics

**Adam Latincic\***

Honours  
Applied Economics  
Concentration in Financial Economics  
Minor in Business

**William Alexander Lemoine**

High Honours  
Political Science  
Minor in Law

**Brady John Lingley**

Honours  
Political Science  
Concentration in International Relations  
Minor in History  
with Study Term Abroad

**Jiahua Liu**

Honours  
Applied Economics  
Minor in Business

**Xuan Liu**

Honours  
Economics  
Concentration in Financial Economics  
Minor in Statistics

**Amy Cynthia Lloy**

High Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in Technology, Society, and  
Environment Studies

**Jiannan Max Ma**

Honours  
Applied Economics

**Graham George MacDonald**

Highest Honours  
Political Science  
Concentration in International Relations  
Minor in History



- Nicholas Alexander MacDonald**  
 High Honours  
 Political Science  
 Concentration in Canadian Politics  
 Minor in Business
- Krista Tiina MacLeod**  
 Honours  
 Political Science  
 Concentration in Canadian Politics  
 Minor in Canadian Studies
- Kaitlyn MacNeil\***  
 Honours  
 Political Science  
 Concentration in International Relations
- Ayla MacPhee**  
 Honours  
 Political Science  
 Minor in Law
- Krystina Martinez**  
 Honours  
 Political Science  
 Minor in Spanish
- Scott Matys\***  
 Highest Honours  
 Political Science  
 Concentration in International Relations  
 Minor in History  
 Co-operative Education
- Peter Chiyake Mazombwe\***  
 Honours  
 Economics
- Caitlin McNamee\***  
 Honours  
 Political Science  
 Concentration in International Relations
- Andrew Beshara Merhej\***  
 Highest Honours  
 Economics  
 Concentration in Financial Economics  
 Minor in Business  
 Co-operative Education
- Devin Minaker**  
 Honours  
 Applied Economics
- Steven Morrison**  
 Honours  
 Applied Economics  
 Minor in Political Science
- Manuel Kingunda Nsingui**  
 Honours  
 Political Science
- Jude Oduro-Marfo\***  
 Honours  
 Political Science  
 Concentration in Comparative Politics and  
 Area Studies (Global South)  
 Minor in History
- Chukwuka Samuel Okolo\***  
 Honours  
 Applied Economics  
 Minor in Business
- Jonathan Paul O'Neil**  
 High Honours  
 Political Science  
 Concentration in International Relations
- Chin Yen Ong**  
 Highest Honours  
 Economics  
 Concentration in Financial Economics  
 Minor in Statistics
- Graeme Dennis Owens**  
 Honours  
 Political Science  
 Concentration in International Relations  
 Minor in French
- Eric Pearce**  
 Honours  
 Political Science  
 Minor in History
- Toluwalase Phillips\***  
 High Honours  
 Economics  
 Minor in Law
- Brent James Pollard**  
 Highest Honours  
 Economics  
 Minor in English
- Sabba Abdulbasit Radwan**  
 Honours  
 Applied Economics  
 Concentration in Financial Economics  
 Minor in Business
- Eric Bennett Rennie**  
 High Honours  
 Political Science
- James Rogers**  
 Honours  
 Applied Economics  
 Minor in Business
- Joanne Sass-Williams**  
 High Honours  
 Political Science  
 Concentration in Comparative Politics  
 and Area Studies (Development and  
 Underdevelopment)  
 Minor in Women's and Gender Studies

**Chelsea Ann Sauv **  
Highest Honours  
Political Science  
Concentration in International Relations

**Rhianne Saville**  
Honours  
Political Science  
Concentration in International Relations

**Catherine Anne Sayant**  
Honours  
Economics

**Emile Scheffel**  
Highest Honours  
Political Science  
Minor in History

**Deepesh Pratap Shah**  
Highest Honours  
Economics  
Concentration in Financial Economics  
Minor in Mathematics

**Meenakshi Sharma\***  
Honours  
Applied Economics  
Minor in Business

**Matthew Silliker**  
Honours  
Applied Economics  
Minor in Business

**Jason Strader**  
Honours  
Political Science  
Minor in Economics and Minor in Law

**Yining Su**  
Highest Honours  
Political Science  
Concentration in Political Theory  
Minor in English

**Sean Tate\***  
Honours  
Applied Economics

**Krishna Thakker**  
Honours  
Applied Economics  
Minor in Statistics

**Alana Thomas\***  
Highest Honours  
Economics  
Minor in Psychology

**Brian Louis Tobe**  
Honours  
Political Science  
Concentration in International Relations  
Minor in History

**Michael Vale\***  
Honours  
Political Science

**Elizabeth Villeneuve**  
Highest Honours  
Political Science  
Concentration in International Relations  
Minor in Law

**Jeffrey Wilson**  
High Honours  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)  
Minor in Law

**Jonathan Clifford Wingrove**  
Highest Honours  
Economics  
Concentration in Financial Economics  
with Study Year Abroad

**Johannah Wong**  
Honours  
Political Science

**Duncan Wood\***  
Honours  
Economics  
Concentration in Financial Economics  
Minor in Law

**Kayla Wood**  
High Honours  
Political Science  
Concentration in International Relations

**Ying Yang\***  
Honours  
Economics

**Zhilin Yang**  
Highest Honours  
Economics  
Minor in Business

**Ling Zi Yao**  
Honours  
Applied Economics

**Yuanting Zhong**  
Honours  
Applied Economics

**Keith Chaddam Zorychta**  
Honours  
Political Science

## BACHELOR OF ARTS

(Presented by Professor John ApSimon  
Interim Dean, Faculty of Public Affairs)

Ahmed Abou Shaaban  
Economics

Obina Carolyn Akello  
Economics

Saleh Salem A. Al Mezel  
Political Science

Nour Al Said\*  
Economics

Mohamad Al-Shammari\*  
Political Science  
Concentration in International Relations  
Minor in Geography

Mohd Khazar Al-Zoubi\*  
Economics

Maha Amer  
Economics

Maher Atwi  
Economics

Eric Bagirubwira  
Economics  
Minor in Sociology

Stephen Bickram  
Economics

Nicholas Bright\*  
Political Science

Ryan Alexander Brown  
Economics

Christopher Cameron\*  
Economics  
Minor in Statistics

Tingting Cao  
Economics

Nicholas Cawadias\*  
Political Science

Jonathan Chan  
Political Science

Sze Man Chan  
Economics

Robert Chapman\*  
Economics

Hilal Cicek  
Economics

Matthew Cowman\*  
Economics  
Minor in Psychology

Nadim Ahmad Dakwar  
Economics  
Minor in Religion

Anthony Del Giudice  
Economics

Fatma Zeynep Demirtas\*  
Economics  
Minor in Psychology  
With Distinction

Darren Desjardins  
Economics  
Minor in Psychology

Abdoul-Aziz Diakite\*  
Economics

Jacqueline Domingo  
Political Science

Brandon James Edge  
Political Science  
Minor in Law

Kaitlynn Edge\*  
Political Science  
Minor in Law

Zachariah Ethier  
Political Science

Jason D. Fournier  
Economics

Sean Graham\*  
Economics  
Minor in Mathematics

Jian Guan  
Economics

Sergio Roberto Guerra  
Political Science  
Concentration in Comparative Politics  
and Area Studies (Development and  
Underdevelopment)

Ralph Haddad\*  
Economics

Ryan Hardy\*  
Political Science

Jia Le He\*  
Economics

Brodie Grant Hessin  
Economics

Jennifer Margaret Hicks, B.A.  
Economics

- Phu Hoang  
Economics
- Denise A. Hutchinson  
Political Science  
Concentration in Public Affairs and Policy  
Analysis
- Alexander Ince  
Political Science  
Concentration in International Relations
- Ahmad M. Iqbal  
Political Science  
Concentration in International Relations  
Minor in Sociology
- Michael John Joseph Jacino  
Political Science
- Anand Jahagirdar  
Economics  
Minor in Political Science
- Wenyi Ji\*  
Economics
- Steven Kearns\*  
Political Science
- Mohamad Khalaf  
Economics
- Ramy Khalil\*  
Political Science  
Concentration in International Relations
- Aaron Kyle\*  
Political Science
- Craig LeBlanc\*  
Economics  
*With Distinction*
- Mohi Mohi-Ul-Haque Leemon, B.B.A.  
Economics
- Jason Leggat  
Economics
- Kelly Chun Chun Leung, B.A.  
Political Science  
Concentration in International Relations
- Ryan Levasseur\*  
Economics
- Miao Li\*  
Economics
- Yan Li  
Economics
- Wenhai Ling  
Economics  
Minor in Statistics
- Adam Lingenfelter  
Political Science
- Regina Lisi  
Political Science
- Amritinderjit Kaur Mahinder-Singh  
Political Science  
Concentration in International Relations
- Andrew Marcellus\*  
Economics
- Jose Botelho Matos\*  
Economics  
*With Distinction*
- Peter McLean\*  
Political Science  
*With Distinction*
- Stephane Michaud  
Economics
- Natasha Miller\*  
Economics  
Minor in Psychology
- Jonah Mitchell  
Political Science
- Safa Mohamoud  
Political Science
- Tayler James Morin  
Political Science
- Shumo-El Sekwila Mumba  
Political Science  
Concentration in International Relations
- Kailas Narayan\*  
Political Science  
Concentration in International Relations
- Eman Nasrat  
Economics  
Minor in Spanish
- Francisco Javier Neal\*  
Economics
- Audrey Ngoga  
Economics
- Tina Nguyen  
Economics
- Geoffrey Ostell  
Economics
- Ekaterina Ouchakova  
Political Science  
Concentration in International Relations  
Minor in Economics
- Robert Pasianotto  
Economics
- Christopher William Henry Pennings  
Political Science

**Sebastian Podlesny**  
 Economics  
*With Distinction*

**Anum Jamilla Qureshi\***  
 Political Science  
 Minor in Religion

**Abir Mohammad Rais**  
 Economics

**Jonathan Ralston\***  
 Political Science  
 Concentration in International Relations

**Jeffrey Randle**  
 Economics

**Eric Ronsse**  
 Economics

**Alaina Marie Rossiter\***  
 Political Science

**Christian Rouzeau\***  
 Economics  
 Minor in Spanish

**Salah Rushdy**  
 Political Science

**Eric Alexander Rutchinski**  
 Political Science

**Loic Rwigema Ntaganda**  
 Political Science

**Ksenia Sabouloua**  
 Political Science

**Stuart Sage**  
 Economics

**Vikram Sharma**  
 Economics

**Oliver Shaw**  
 Political Science  
 Concentration in International Relations

**Peter Shin\***  
 Economics

**Craig Joseph Skochinski**  
 Economics

**John Sly**  
 Political Science

**Naysan Paul Smith**  
 Economics

**Crystal Stroud\***  
 Economics

**Xiaoxi Sun**  
 Economics

**Yi Sun**  
 Economics

**Kyle Sadao Tanaka\***  
 Economics

**Nathan Taylor-Conboy**  
 Political Science  
 Minor in Women's and Gender Studies  
*With Distinction*

**James William Tessier**  
 Political Science

**Bradley Thomas\***  
 Political Science

**Talina Van Essen**  
 Political Science

**Lucas James Wales**  
 Political Science  
 Minor in Canadian Studies

**Bin Wang\***  
 Economics

**Jing Wang**  
 Economics

**Wei-Kai Wang**  
 Economics

**Xinwei Wang**  
 Economics

**Yueran Wang**  
 Economics

**Evan W. Webster**  
 Political Science  
 Minor in History

**Ka Wing Calvin Wong\***  
 Economics  
 Minor in Mathematics

**Win Seng Woo**  
 Economics

**Jing Peng Xu\***  
 Economics

**Rui Yan**  
 Economics

**Nicholas Young**  
 Political Science  
 Concentration in Canadian Politics  
 Minor in History

**Ying Zhang**  
 Economics

**Ge Zhao**  
 Economics

**Aru Zhumagaliyeva**  
 Economics  
 Minor in Japanese

## BACHELOR OF SOCIAL WORK

(Presented by Professor Hugh Shewell  
Director, School of Social Work)

**Kareem Aly**  
Highest Honours

**Carrie-lynn Marie Bedard, B.Soc.Sc. (Hons.)**  
Highest Honours

**Jathina Blais\***  
Honours

**Anita Bose**  
Honours  
Minor in Psychology

**Stephanie Brazolot**  
Honours

**Sylvette Bruneau**  
Highest Honours

**Sarah Bujold\***  
High Honours

**Sharon Elizabeth Chapman\***  
Honours

**Amanda Cheryl Chaytor**  
Honours  
Minor in Psychology

**Shannon Mary Colterman\*, B.Appl.Sc.**  
Honours

**Kathryn Paula Cummings**  
Highest Honours

**Melissa D'Amora**  
Honours

**Laura-Lee Desjardins**  
Honours

**Nada Elnabelsya\***  
Honours  
Minor in Economics and Minor in Psychology

**Denise Jessica Freedman**  
Highest Honours

**Kristy Gallacher**  
High Honours  
Minor in Psychology

**Heather Dale Galley, B.Sc.**  
Honours

**Gary Glover**  
Highest Honours  
Minor in Psychology

**Megan Michelle Goold**  
Honours

**Lauren Gouchie**  
Honours

**Terri Gray\***  
High Honours

**Robin Guillemette**  
Honours  
Minor in French and Minor in Psychology

**Kristin Renee Harriet**  
High Honours

**Linda Heritage\***  
Highest Honours  
Minor in Psychology

**Mikhail Honarvar**  
Honours

**Michelle Jackson-Brown, B.Hum**  
Highest Honours

**Pegah Jamshidi**  
High Honours  
Minor in Law

**Rebecca Kenrick\***  
Honours

**Stephanie Kerr\***  
High Honours  
Minor in Sociology

**Seniha Khan**  
Honours  
Minor in Muslim Studies

**Jason Knapp**  
High Honours  
Minor in Political Science

**Marcella Leblanc, B.TourismMgt**  
Honours

**Lori-Ann Leggett\*, B.A.**  
High Honours

**Polly Alexandra Leonard, B.A.**  
Honours

**Michelle Liehmann**  
Highest Honours  
Minor in Psychology

**Joana Martey**  
High Honours  
Minor in Women's Studies

**Cameron Stephen McKenzie**  
Highest Honours

**Rebecca McLaughlin**  
Honours  
Minor in Psychology

**Tara Leeanne McWhinney, B.A.**  
Honours

**Corinne Lorette Miller**  
High Honours

**Sebastian Mott, B.A.**  
Highest Honours

**Emily Ann Newman**  
High Honours  
Minor in English

**Erin Oakley-Rowe**  
Honours

**Robyn Alexandra Olivier, B.A.**  
Highest Honours

**Natasha Michelle Pei\***  
Highest Honours  
Minor in History

**Regina Rea\***  
Highest Honours

**Shawna Reid**  
Honours

**Danielle Catherine Reiter**  
Highest Honours  
Minor in French and Minor in Psychology

**Rudy Rivera**  
Highest Honours

**Laura May Roth\***  
High Honours

**Laveni Santhirarasa**  
High Honours  
Minor in Psychology and Minor in Sociology

**Kayla Saunders**  
High Honours  
Minor in Political Science

**Sandra Shearer**  
Honours

**Dawne Marie Smith**  
Honours

**Emily Samantha Spratt**  
Highest Honours

**Krista Laurel Stewart**  
High Honours

**Kathryn Michelle Struthers, B.A.**  
Honours

**Matthew Jack Varrette, B.Sc.**  
Highest Honours

**Chelsea Walton\***  
Highest Honours  
Minor in Sociology

**Karen White-Jones, B.A.**  
Highest Honours

**Melissa Wood**  
Highest Honours  
Minor in Psychology and Minor in Sociology





## ALUMNI ASSOCIATION WELCOME

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Congratulations on obtaining your degree from Canada's Capital University and welcome to the Carleton University Alumni Association (CUAA).

With your remarkable achievement today comes membership in a thriving club — a dynamic organization of more than 120,000 people living and working around the world who all share a proud connection with this university. This network can help you realize your dreams, open doors around the world and connect you to your alma mater.

This is a day for celebration, but it also presents an opportunity for reflection. As you savour your accomplishment, take a moment to look back on your years at this university. Remember the ideas that challenged you, the professors who inspired you and the lifelong friendships you made. You will treasure these wonderful Carleton memories for the rest of your life.

On behalf of your alumni association, congratulations on reaching this milestone. Welcome to the CUAA — we're here to help you as you embark on a happy and successful future.

Jane Gilbert, *B.J., M.A.*

President, Carleton University Alumni Association

Chief Communications Officer, Nature Conservancy of Canada





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100%